



**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

## **PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Clopay Building Products Co.**  
**4800 Interstate Drive**  
**Cincinnati, OH 45246**

Your application for Notice of Acceptance (NOA) of:

### **Clopay Residential Steel Garage Door 16' Wide**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 00-1212.03**

**EXPIRES: 03/26/2006**

Raul Rodriguez  
Chief Product Control Division

### **THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 03/15/2001**

**APPROVED: MAR 15 2001**

**EXPIRES: 03/26/2006**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

This approves a sectional steel garage door 16'-2" wide x 6'-6" through 16'-0" high, as described in Section 2 of this Notice of Acceptance (NOA), designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County. For the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

The **Clopay Sectional Garage Door** and its components shall be constructed in strict compliance with the following documents: Drawing No. 101300, titled "Double Car Hurricane Pan Door" prepared by Clopay Building Products Co., dated 02/15/95, with last revision on 12/06/00, sheet 1 through 2 of 2. They bear the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

This approval requires the manufacturer to do testing of all coils used to fabricate door panels under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Dade County approved laboratory selected and paid by the manufacturer. Every 3 months, four times a year, the manufacturer shall mail to this office: a copy of the tested reports with confirmation that the specimens were selected from coils at the manufacturer production facilities. And a notarized statement from the manufacturer that only coils with yield strength of 38,000 psi or more shall be used to make door panels for Dade County under this Notice of Acceptance.

**4. INSTALLATION**


- 4.1** The sectional steel garage door and its components shall be installed in strict compliance with the approved drawings.
- 4.2** The installation of this door does **not require** a hurricane protection system.
- 4.3** Units with dimensions equal to or smaller than those shown in the approved drawing shall qualify under this approval.

**5. LABELING**

Each door shall bear a **permanent** label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

**6. BUILDING PERMIT REQUIREMENTS**


- 6.1** Application for building permit shall be accompanied by copies of the following:
  - 6.1.1** This Notice of Acceptance.
  - 6.1.2** Duplicate copies of the approved drawings as identified in Section 2 of this NOA, clearly marked to show the components selected for the proposed installation.
  - 6.1.3** Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
Candido Font, PE. Sr. Product Control Examiner  
Product Control Division

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approval", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
  - b. The product is no longer the same product (identical) as the one originally approved.
  - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
  - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a. Unsatisfactory performance of this product or process.
  - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

**END OF THIS ACCEPTANCE**

  
Candido Font, PE. Sr. Product Control Examiner  
Product Control Division

**Clopay Building Products Co.**

**ACCEPTANCE No. : 00-1212.03**

**APPROVED: MAR 15 2001**

**EXPIRES: 03/26/2006**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**  
**(For File ONLY. Not part of NOA.)**

**A. DRAWINGS**

1. *Drawing prepared by Clopay Building Products Co., titled "Double Car Hurricane Pan Door", Drawing No. 101300, dated 02/15/95, with last revision on 12/06/2000, sheets 1 through 2 of 2, signed and sealed by M.W. Westerfield, PE.*

**B. TESTS**

1. *Test report of large missile impact test per PA 201 and cyclic wind pressure test per PA 203 of "Garage Door", prepared by Hurricane Engineering & Testing, Inc., report No. HETI 95-408, dated 01/25/95, signed and sealed by H. M. Medina, PE.*
2. *Test report of Uniform Static Air Pressure Test Per PA 202 on "Garage Door", prepared by Hurricane Engineering & Testing, Inc., report No. HETI 95-407, dated 01/24/95, signed and sealed by H. M. Medina, PE.*
3. *Test report of Forced Entry Resistance per section 3603.2(b)5 on "Garage Door" prepared by Hurricane Engineering Testing, Inc. report No. HETI 95-407f, dated 01/25/95, signed and sealed by H. M. Medina, PE.*

**C. CALCULATIONS**


1. *Calculations dated 01/20/95; pages 1 and 2, prepared by M. W. Westerfield, PE., signed and sealed by M. W. Westerfield, PE.*
2. *Calculations dated 02/24/95, page 1, prepared M.W. Westerfield, PE., signed and sealed by M.W. Westerfield, PE.*

**D. MATERIAL CERTIFICATIONS**

1. *Test report of Tensile Test per ASTM E 8, report No. HETI 94-T59, prepared by Hurricane Engineering & Testing, Inc., dated 02/06/95, signed and sealed by H.M. Medina, PE.*
2. *Test report of Salt Spray Test per ASTM D1654 & ASTM B117, report No. 9EM-1144, prepared by Q.C. Metallurgical, Inc., dated 06/03/99, signed and sealed by K. Grate.*

**E. STATEMENTS.**

1. *Affidavit of yield strength compliance prepared by R. D. Shifflett employed by Clopay Building Products Co., notarized on 01/11/2001 by B. H. Schuler.*

  
Candido Font, PE. Sr. Product Control Examiner  
Product Control Division

MODELS 83, 84A, 93, 94

18 GA. GALV. DOUBLE END STILES  
ATTACHED TO TOP AND BOTTOM RAIL  
WITH PATENTED TOG-L-LOC SYSTEM.

PAGE 1 OF 2

REV	DATE	DESCRIPTION
1	3/27/95	ADDED JAMB DWG & CHART TO PAGE 4
2	11/3/97	REFIT DWG TO 2 PAGES
3	2/13/98	DQSK; VENT AREA; TRACK NOTE TO PG. 1
4	12/6/2000	DEL. M/N 87/97; DDS/G-40 WAS DQSK/G-60

ONE INTERMEDIATE STILE BETWEEN EACH EMBOSS LOCATION.  
ATTACHED W/ PATENTED TOG-L-LOC SYSTEM (TOP & BOT)  
AND URETHANE ADHESIVE (ALONG CENTER)

16 GA. PAINTED END STILES ATTACHED TO DOOR  
SKIN WITH PATENTED TOG-L-LOC SYSTEM  
(TOP, BOTTOM & CENTER).

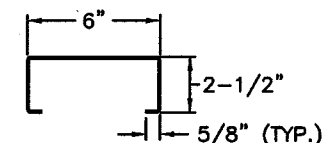
VIEW "C"  
VIEW "B"

LOCK POSITION  
(BOTH SIDES)  
TWO POINT LOCKING  
CONFORMS TO SFBC  
3603.2 REGARDING  
GARAGE DOORS WITH  
5/8" MIN. ENGAGEMENT.  
DOOR TESTED FOR  
FORCED ENTRY WITH  
BOTH OUTSIDE KEYED  
LOCK AND INSIDE  
SLIDE BOLT LOCK  
OPTIONS (SEE  
LAYOUT OF EACH  
LOCK ON NEXT PAGE).

24 GA. DDS STEEL (MIN. YIELD STRENGTH:  
38 KSI) EXTERIOR SKIN WITH G-40 MIN.  
GALVANIZING, BAKED-ON PRIMER AND A  
BAKED-ON POLYESTER PAINTED TOP COAT  
APPLIED TO BOTH SIDES OF STEEL SKIN.  
(ASTM No. A653-97).

SHIP LAP JOINTS.

12 GA. GALV. STEEL TOP ROLLER BRACKET.  
EACH BRACKET ATTACHED W/(4) #14x5/8"  
SHEET METAL SCREWS. ADJUSTABLE SLIDE ATTACHED  
TO TOP BRACKET WITH (2) 1/4"x1/2" BOLTS AND  
NUTS PER BRACKET.



VIEW "D"  
6" TALL C-CHANNEL  
16 GA. GALV. STEEL

14 GA. GALV. ROLLER HINGE.  
EACH HINGE FASTENED TO END  
STILES W/(4) #14x5/8" SHEET METAL  
AND (4) 1/4"x3/4" SELF TAPPING SCREWS.  
(SEE VIEW "B")

ONE 6" TALL C-CHANNEL PER DOOR SECTION. (SEE VIEW "D")  
C-CHANNEL ATTACHED AT EACH STILE LOCATION WITH  
(1) 1/4"x3/4" SELF TAPPING SCREW.

1-1/4" WIDE x 16 GA. GALV. STRAP. (7) PER  
DOOR SECTION, EXCEPT (8) STRAPS ON 2ND  
SECTION (SEE INSIDE ELEVATION). EACH STRAP ATTACHED  
WITH (3) 1/4"x3/4" SELF TAPPING SCREWS (TWO  
SCREWS TO DOOR, ONE SCREW TO C-CHANNEL).

13 GA. GALV. STEEL BOTTOM BRACKET.  
ATTACHED WITH (2) #14x5/8" SHEET METAL SCREWS.

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

SECTION A-A (SIDE VIEW)  
SCALE 1" = 9"

DESIGN LOADS: +46.6 P.S.F. & -52.0 P.S.F.

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE **MAR 15 2001**  
BY   
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. **00-1212.03**

DESIGN ENGINEER  
MARK W. WESTERFIELD, P.E.  
FLORIDA REGISTRATION No. 48495

**Clopay**  
Building Products  
Company

TOLERANCES  
Unless Stated Otherwise  
.00 = ±.03  
.000 = ±.015  
.0000 = ±.007  
Degrees = ±1/2°

CLOPAY BUILDING PRODUCTS  
312 WALUNT STREET, SUITE 1600  
CINCINNATI, OHIO 45202

SCALE: NOTED  
DATE: 2/15/95

DRAWN BY: MWW

CHECKED BY:

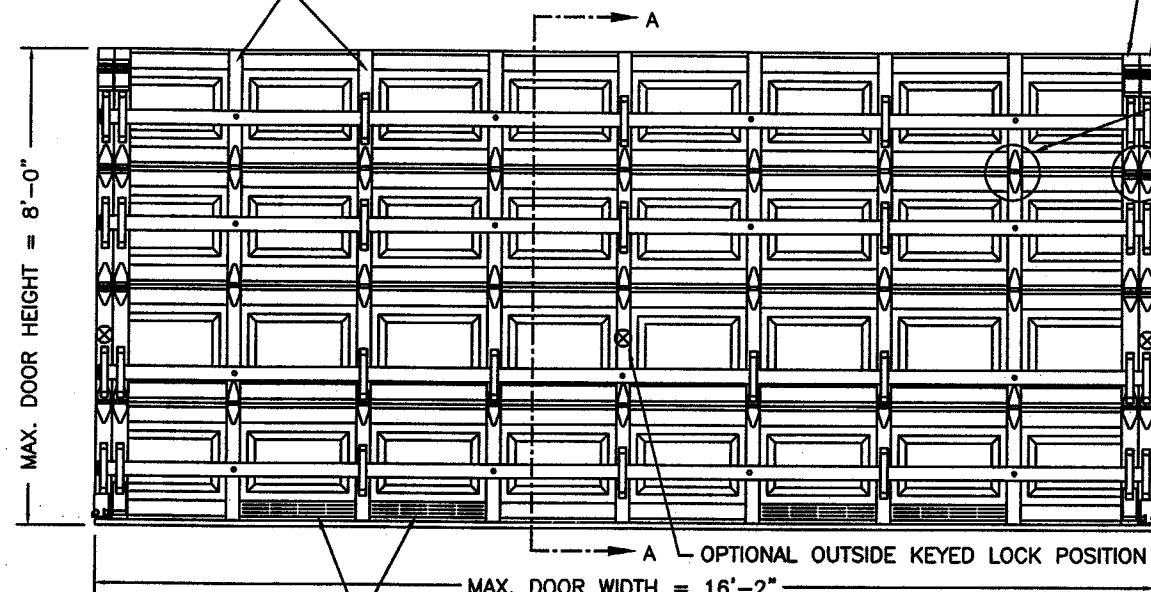
PAGE: 1 OF 2

MAX. SIZE  
16'2"W x 8'0"H

DESCRIPTION:  
DOUBLE CAR HURRICANE PAN DOOR

DRAWING NUMBER:  
101300

REV: 4



LOCATION OF OPTIONAL VENTS  
AREA OF VENTS NOT TO EXCEED  
60 SQ. INCHES BETWEEN STILES

INSIDE ELEVATIONS  
SCALE 1" = 18"

INSTALLER MODEL	RETAIL MODEL	DESCRIPTION
93	83	WOODGRAIN TEXTURE, RAISED PANEL, GALV. INTER. STILES
94	84A	WOODGRAIN TEXTURE, RAISED PANEL, PAINTED/GALV. INTER. STILES

NOTE:  
DOORS UP TO 7'-0" HIGH CONSIST OF (4) SECTIONS (SHOWN).  
DOORS OVER 7'-0" HIGH CONSIST OF (5) SECTIONS (NOT SHOWN).

HORIZONTAL TRACK SUPPORT BY  
DOOR INSTALLER (TO SUIT)

DOOR COUNTERBALANCE SYSTEM

12 GA. GALV. STEEL CONTINUOUS  
1-5/8" x 2-3/8" ANGLE.

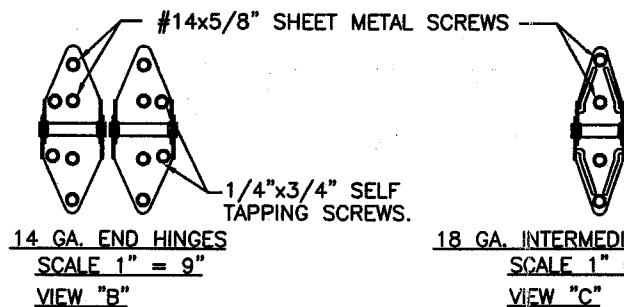
76" (7'6"H & 8'0"H DOORS ONLY)

63" TRACK CONFIGURATION  
SCALE 1" = 36"

50" 2" GALV. STEEL TRACK,  
TRACK THICKNESS: .083"

38"

24" TYP. 2-1/2"x12 GA. GALV.  
STEEL TRACK CLIPS.  
DISTANCE FROM BOTTOM OF VERTICAL  
TRACK TO EACH CLIP IS: 3-1/2",  
10", 24", 38", 50", 63", AND  
76" (7'6"H & 8'0"H DOORS ONLY)  
ONE 5/16"x1-5/8" LAG SCREW PER  
TRACK CLIP.



2/13/01

# 2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

REV	DATE	DESCRIPTION
1	3/27/95	ADDED JAMB DWG & CHART TO PAGE 4
2	11/3/97	REFIT DWG TO 2 PAGES
3	2/13/98	REV. JAMB ATTACH. FASTENERS ON PG. 2
4	12/7/00	DEL. M/N 87/94; DDS/G-40 WAS DQSK/G-60

## NOTES:

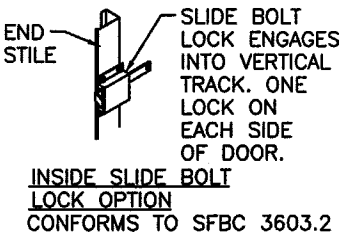
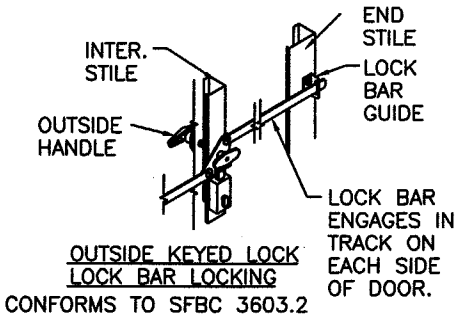
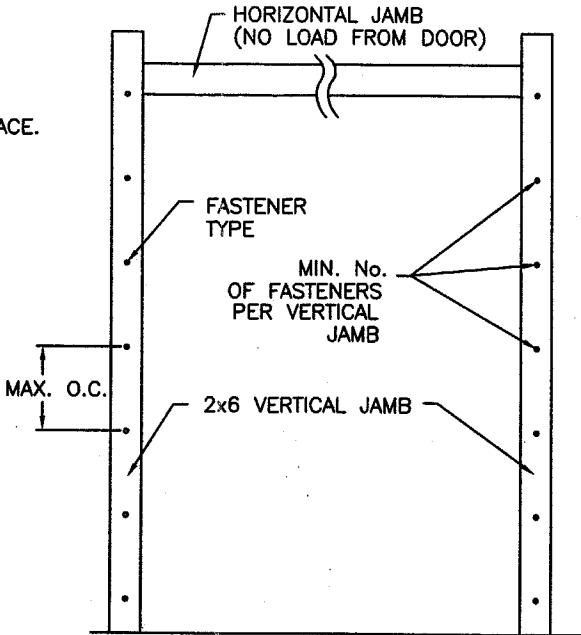
- 1) ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL JAMBS (GRADE 2 OR BETTER YELLOW PINE). NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
- 2) EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +2,982.4 LB & -3,328 LB.
- 3) ALL JAMB FASTENERS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

## WOOD FRAME BUILDINGS

STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN (3) 2x6 PRESSURE TREATED GRADE #2 OR BETTER WOOD STUD OF A STRESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING ( $F_b$ ). STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS AND IN ACCORDANCE WITH SFBC SECTION 2905.1.

## BLOCK WALL OR CONCRETE

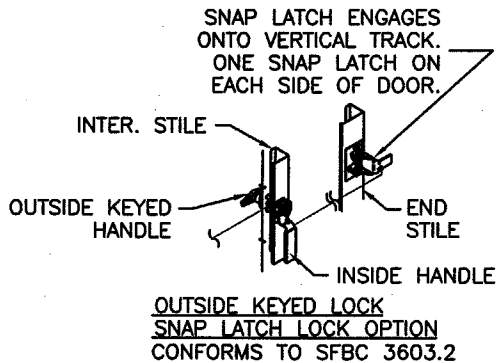
2x6 WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH #5 BAR EXTENDING INTO THE FOOTING AND INTO TIE BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY BUILDING PROFESSIONAL OF RECORD AND IN ACCORDANCE WITH SFBC SECTION 2704.2.



# 2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE	FASTENER TYPE	MIN. No. OF FASTENERS PER VERTICAL JAMB	MAXIMUM ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?
WOOD FRAME	1/2" x 3" EMBED LAG SCREW (ASTM A307, GRADE A)	6	16"	YES
BLOCK WALL OR CONCRETE	1/4" x 1-3/4" MIN. EMBED TAPCON CONCRETE ANCHOR	9	10"	YES
BLOCK WALL OR CONCRETE	3/8" x 1-3/4" MIN. EMBED RAWL-STUD EXPANSION ANCHOR (7400 SERIES)	5	19"	NO
BLOCK WALL OR CONCRETE	3/8" x 1-3/4" MIN. EMBED RAWL LOK/BOLT ANCHOR BOLT (5000 SERIES)	6	16"	NO



MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 3", EXCLUDING STUCCO THICKNESS. CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.

## JAMB PREPARATION NOTE

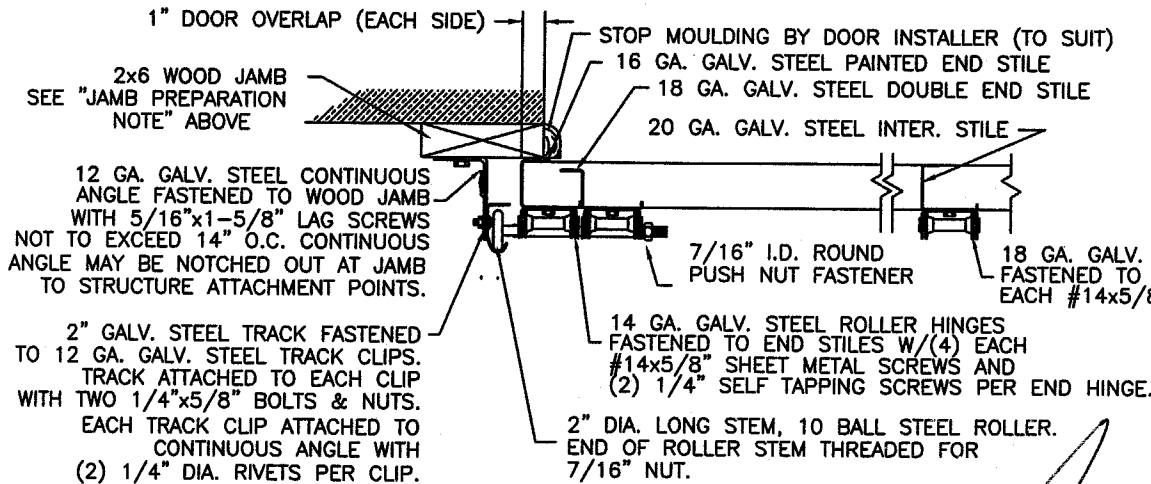
EACH CONTINUOUS ANGLE TRACK SHALL BE FASTENED TO PRESSURE TREATED 2x6 YELLOW PINE WOOD JAMBS WITH 5/16"x1-5/8" LAG SCREWS (12) LAG SCREWS PER SIDE UP TO 7'0" HIGH AND (13) LAG SCREWS PER SIDE UP TO 8'0" HIGH). THE METHOD OF ATTACHMENT TO THE SUPPORTING STRUCTURE OF THE PRESSURE TREATED 2x6 WOOD JAMBS SHALL BE APPROVED BY THE PROFESSIONAL OF RECORD FOR THE STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING OR AS SHOWN ON PAGE 4 OF THIS DRAWING. PREPARATION OF JAMBS BY OTHERS.

ALL MOUNTING OF TRACK, ANGLES, HORIZONTAL TRACK SUPPORTS, AND ALL OTHER DOOR HARDWARE TO BE INSTALLED PER CLOPAY INSTALLATION INSTRUCTIONS SUPPLIED WITH DOOR SYSTEM UNLESS OTHERWISE NOTED.

## DESIGN ENGINEER

MARK W. WESTERFIELD, P.E.  
FLORIDA REGISTRATION No. 48495

DESIGN LOADS: +46.6 P.S.F. & -52.0 P.S.F.



JAMB CONFIGURATION

**Clopay**  
Building Products  
Company

TOLERANCES Unless Stated Otherwise	.00 = ±.03 .000 = ±.015 .0000 = ±.007 Degrees = ±1/2°	SCALE: NOTED DATE: 2/15/95	PAGE: 2 OF 2 MAX. SIZE: 16'2"W x 8'0"H
CLOPAY BUILDING PRODUCTS 312 WALUNT STREET, SUITE 1600 CINCINNATI, OHIO 45202	DRAWN BY: MWW CHECKED BY:	DESCRIPTION: DOUBLE CAR HURRICANE PAN DOOR	REV: 4

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE **MAR 15 2001**  
BY   
PRODUCT CONTROL DIVISION  
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ACCEPTANCE NO. **00-1212.03**